

100. (Amended) The optical communication system as claimed in claim 98, wherein the pump light beams emitted from said first and fifth laser sources have the same wavelength and the pump light beams emitted from said second and sixth laser sources have the same wavelength.

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101. (Amended) The optical communication system as claimed in claim 96, further comprising a seventh laser source for pumping said second silica fiber, wherein pump light beams emitted from said seventh and third laser sources have the same wavelength.

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102. (Amended) The optical communication system as claimed in claim 96, wherein said first tellurite fiber, first silica fiber and second tellurite fiber are connected in series in this order in said repeater.

REMARKS

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By this amendment, Applicant amended claims 25, 26, 52, 61, and 97-102 as filed in the preliminary amendment to correct formal errors. Claims 25, 26 and 97-102 are amended to correct some translation errors, and claims 52 and 61 have been changed to their originally filed form to correct errors made when drafting claims for filing in the US PTO. In making these revisions care has been taken to ensure that the claims remain supported by the specification and that no new matter has been added.

The Commissioner is hereby authorized to charge any additional fees which may be required in this application under 37 C.F.R. §§1.16-1.17 during its entire pendency, or credit any overpayment, to Deposit Account No. 06-1135. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 06-1135.

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Respectfully submitted,

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

25. (Amended) The optical fiber amplifier as claimed in claim 22,
further comprising a reflector installed between said tellurite fiber and said silica fiber to
5 reflect the pump light emitted from said [first] second laser source.

26. (Amended) The optical fiber amplifier as claimed in claim [22,] 20;
wherein said tellurite fiber and said silica fiber are connected in series, said silica fiber is
installed upstream in the incident direction of signal light, and further comprising a reflector
10 installed between said tellurite fiber and said silica fiber to reflect the pump light emitted
from said [second] first laser source.

52. (Amended) The optical fiber amplifier as claimed in claim 45,
wherein, λ_1 and λ_2 being wavelengths [of pump light emitted from said first and said second
15 laser sources,] ($\lambda_1 > \lambda_2$) at the gain peaks [of gain spectrum] provided by pumping with only
the pump light emitted from said first laser source, the ratio between an on-off Raman gain
[of said tellurite fiber] (in dB values) at λ_1 of said tellurite fiber and that at λ_2 lies between
100:80 and 100:100 when the tellurite fiber is pumped with the pump light beams emitted
from said first and second laser sources.

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61. (Amended) The optical fiber amplifier as claimed in claim 53,
wherein, λ_1 and λ_2 being wavelengths [of pump light emitted from said first and said second
laser sources] ($\lambda_1 > \lambda_2$) at the gain peaks provided by pumping with only the pump light
emitted from said first laser source, the ratio between an on-off Raman gain [of said tellurite
25 fiber](in dB values) at λ_1 of said tellurite fiber and that at λ_2 lies between 100:80 and
100:100 when the tellurite fiber is pumped with the pump light beams emitted from said first
and second laser sources.

97. (Amended) The optical [fiber amplifier] communication system as
30 claimed in claim 96;

wherein the difference in wavenumber between the pump light emitted from
said third laser source and that emitted from said first laser source is $42\text{-}166\text{cm}^{-1}$,

the difference in wavenumber between the pump light emitted from said first
laser source and that emitted from said second laser source is $125\text{-}290\text{cm}^{-1}$, and

35 the difference in wavenumber between the pump light emitted from said first
laser source and that emitted from said fourth laser source is $42\text{-}290\text{cm}^{-1}$.

98. (Amended) The optical [fiber amplifier] communication system as claimed in claim 96;

wherein the difference in wavenumber between the pump light emitted from
5 said fourth laser source and that emitted from said first laser source is $42\text{-}166\text{cm}^{-1}$,
the difference in wavenumber between the pump light emitted from said first
laser source and that emitted from said second laser source is $125\text{-}290\text{cm}^{-1}$, and
the difference in wavenumber between the pump light emitted from said first
laser source and that emitted from said third laser source is $42\text{-}290\text{cm}^{-1}$.

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99. (Amended) The optical [fiber amplifier] communication system as claimed in claim 97, wherein the pump light beams emitted from said first and fifth laser sources have the same wavelength and the pump light beams emitted from said second and sixth laser sources have the same wavelength.

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100. (Amended) The optical [fiber amplifier] communication system as claimed in claim 98, wherein the pump light beams emitted from said first and fifth laser sources have the same wavelength and the pump light beams emitted from said second and sixth laser sources have the same wavelength.

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101. (Amended) The optical [fiber amplifier] communication system as claimed in claim 96, further comprising a seventh laser source for pumping said second silica fiber, wherein pump light beams emitted from said seventh and third laser sources have the same wavelength.

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102. (Amended) The optical [fiber amplifier] communication system as claimed in claim 96, wherein said first tellurite fiber, first silica fiber and second tellurite fiber are connected in series in this order in said repeater.